

What is claimed is:

1           1.     A method of evaluating degradation of an electrical signal caused by a  
2 circuit comprising the steps of:

3           (a)    placing a first electrical signal in communication with an input of the  
4 circuit;

5           (b)    passing said first electrical signal through the circuit thereby causing the  
6 circuit to output a degraded electrical signal;

7           (c)    providing a means of synchronizing and combining electrical signals  
8 having at least a first and a second input and one output, placing said degraded  
9 electrical signal in communication with the first input of said means of synchronizing  
10 and combining electrical signals;

11           (d)    placing a second electrical signal, identical to said first electrical signal, in  
12 communication with the second input of said means of synchronizing and combining  
13 electrical signals;

14           (e)    placing the output of said means of synchronizing and combining  
15 electrical signals in communication with a plurality of means for creating visual  
16 representations of electrical signals in a way that the visual representation of said  
17 degraded electrical signal and the visual representation of said second electrical signal  
18 are presented separate from each other and each representation is not altered by the  
19 representation of any other signal; and

20           (f)    comparing said visual representation of said degraded image and said  
21 visual representation of said second electrical signal.

1           2.     A method of evaluating the degradation of an electrical signal caused by a  
2 circuit as recited in claim 1 wherein one of the plurality of means for creating visual  
3 representations recited in step e is an oscilloscope.

1           3.     A method of evaluating the degradation of an electrical signal caused by a  
2 circuit as recited in claim 1, in which the electrical signal further comprises a video  
3 signal.

1           4.     A method of evaluating for the degradation of an electrical signal caused  
2 by a circuit as recited in claim 1, in which the video signal further comprises a signal  
3 selected from a group consisting of NTSC, PAL, SECAM, or video signals generated  
4 by a computer.